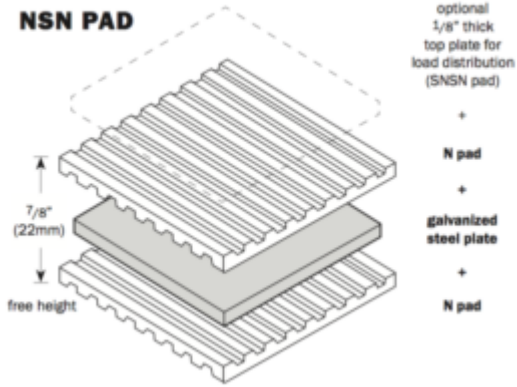


BDC Product Showcase, February 2017: Neo+ Vibration Isolation Pads by Vibro- Acoustics

For this month's product showcase, we wanted to take a closer look at the Neo+ Vibration Isolation Pad, which is now the standard isolation pad coming out of Vibro-Acoustics (replacing their NSN line, which is now available only by special order). The Neo+ provides high-frequency vibration isolation for mechanical and electrical equipment, including industrial equipment such as chillers, transformers, boilers, internally isolated air-handling units, transformers, and high rpm vertical heat pumps.

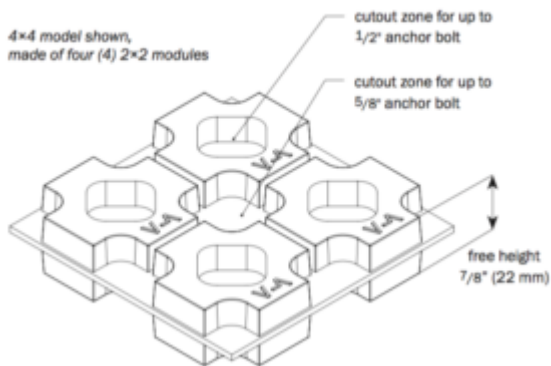
So what makes the new Neo+ a suitable industry standard when compared with the NSN? First, the Neo+ offers greater labor savings with its easy-to-cut design that accommodates various anchor sizes. Second, Neo+ offers higher deflection and max load. The NP-Black, for example, can accept 70 psi (482 kPa) compared with the 60 psi of the NSN. The Neo+ also has a larger operating range, which reduces risk.

NSN PAD



N Pad Type	Min. Load & Deflection	Design Load & Deflection	Max. Load & Deflection
45 DURO	25 PSI (0.11kN)	45 PSI (0.20 kN)	60 PSI (0.26 kN)
	0.05" (1mm)	0.07" (2mm)	0.09" (2mm)
65 DURO	45 PSI (0.20kN)	90 PSI (0.40 kN)	120 PSI (0.53 kN)
	0.05" (1mm)	0.07" (2mm)	0.08" (2mm)

Neo+ Pad



Neo+	Min. Load & Defl.	Design Load & Defl. (at 20% height)	Max. Load & Defl. (at 25% height)
NP-Black 40 Duro	15 psi (103 kPa)	55 psi (379 kPa)	70 psi (482 kPa)
	0.05" (1.3 mm)	0.18" (4.5 mm)	0.22" (5.5 mm)
NP-Green 60 Duro	40 psi (276 kPa)	110 psi (758 kPa)	135 psi (930 kPa)
	0.05" (1.3 mm)	0.18" (4.5 mm)	0.22" (5.5 mm)

Here are the advantages of Neo+:

- **More rubber, more strength.** The pads are made of high-quality and high-strength neoprene rubber, with a minimum 2750 psi compound tensile strength. At 7/8" thickness, it also has the most amount of rubber, compared to pads by competitors.
- **Better vibration isolation with a single layer.** The maximum deflection of Neo+ is at 25% of its height at 0.22", and its design deflection is 20% of its height at 0.18"—this allows for better vibration isolation with a single layer.
- **Quicker lead times.** The new labor-saving design allows installers to stock full sheets that can be cut to specifications when ready, even for non-standard sizes (although standard sheet sizes are available as well).
- **Accommodating shape for anchors.** The pads can accommodate common anchor bolt sizes at the center and corners of the pad. Installers can create anchor mounting holes by simply cutting away a thin connective diaphragm. This Neo+ feature offers significant savings in installation time.
- **The price.** For the most common sizes, Neo+ pads are a good 15% to 30% less expensive than their NSN counterparts.

Neo+ vibration isolation pads come in two varieties: NP-Black (40 Durometer) and NP-Green (color coded with stripes, 60 Durometer). Which variety you need will depend on the specific application and load.

For more about the technical details of the Neo+ line, you can access our product page or contact us at 1-800-432-5810.